



COMMODITY NUTRIENT PROFILE

WHOLE COTTONSEED with lint

According to the Feed Industry Red Book whole cottonseed is the unprocessed and unadulterated oilseed that has been separated from the cotton fiber. Whole cottonseed is high in protein, fat, fiber and energy. This combination of nutrients in one feedstuff is unusual. Whole cottonseed with the lint still attached is white and fuzzy in appearance. It sometimes is called "fuzzy seed" and has the analyses as shown below. Whole cottonseed from which the lint has been removed is called delinted seed, is black and smooth in appearance and tends to be slightly higher in protein and fat than the fuzzy seed.

Whole Cottonseed is unique in that it represents the chemical composition of forage, grain and protein supplements. Whole cottonseed can substitute, within limits, for any of these components. The fat in cottonseed while a benefit to ruminant animals can cause a reduction in fat test.

TYPICAL ANALYSIS:

		<u>DMB</u>	<u>AS</u>			<u>DMB</u>	<u>AS</u>
			<u>FED</u>				<u>FED</u>
Dry Matter	%	100.0	92.0	TDN (Rum)	%	96.0	88.0
Crude Protein	%	21.0	19.0	DE (Rum)	Mcal/kg	4.23	3.89
Fat	%	20.0	18.4	ME	Mcal/kg	3.83	3.52
Crude Fibre	%	24.0	22.0	NE _l	Mcal/kg	2.23	2.05
A.D. Fibre	%	34.0	31.3	NE _m	Mcal/kg	2.41	2.21
N.D. Fibre	%	44.0	40.5	NE _g	Mcal/kg	1.69	1.55
Calcium	%	0.21	0.19				
Phosphorus	%	0.64	0.58				
Potassium	%	1.0	0.92				
Magnesium	%	0.46	0.42				

*Listed data are average values only and not considered as guarantees, expressed, or implied, nor as a condition of sale. For guaranteed spec's refer to label.

General suggestions to consider when using **Whole Cottonseed** include:

- An upper limit of 6 to 8 lbs/hd/day is recommended.
- Whole Cottonseed** fits best into blended TMR rations.
- Whole Cottonseed** preferably should not be fed as a separate ingredient, but blended with other feeds such as pellets, a grain ration or optimally fed in a TMR.
- Whole Cottonseed** due to its fluffy nature does not flow well and can create handling problems in improperly designed mechanical systems.
- Whole Cottonseed** will rapidly absorb and retain water, therefore, it must be kept dry to prevent product deterioration.
- Whole Cottonseed** should ideally be stored on a concrete slab, be properly sheltered and well protected from rain or other forms of moisture (condensation).
- Whole Cottonseed**, following harvest must be well cured. The seed should be purchased from reputable suppliers. Bargain-priced seed in the fall should be checked for proper curing and excess moisture.

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